

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-281721

(43)Date of publication of application : 31.10.1997

(51)Int.Cl.

G03G 5/05

G03G 5/05

C08L 69/00

(21)Application number : 08-111115

(71)Applicant : FUJI ELECTRIC CO LTD

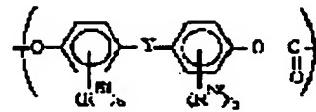
(22)Date of filing : 09.04.1996

(72)Inventor : KAWATE KENJI
NABETA OSAMU

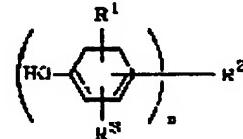
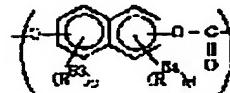
(54) ELECTROPHOTOGRAPHIC PHOTORECEPTOR

(57)Abstract:

PROBLEM TO BE SOLVED: To enhance abrasion resistance without deteriorating the merit of the electrophotographic organic photoreceptor by using a combination of a specified naphthalene type polycarbonate copolymer as a binder resin with a specified antioxidant.



SOLUTION: The binder resin of this organic photoreceptive layer contains the naphthalene type polycarbonate copolymer comprising repeating units represented by formulae I and II in a molar ratio of the repeating units of formula II to the sum of those of formulae I and II of $0.01 \leq [i-b]/([i-a]+[i-b]) \leq 0.5$, and at least one kind of phenolic antioxidant represented by formula III and in formulae I-III. Y is a $-O-$, $-CO-$, $-S-$ atom or atomic group or the like; each of R51-R54 is, independently, an H atom or the like; each of (a) and (b) is an integer of 0-4; each of (c) and (d) is an integer of 0-3; each of R1-R3 is an H atom or the like; (n) is an integer of 1-3; and [i-a] and [i-b] are the total numbers of the repeating units of formula I and formula II, respectively.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

Best Available Copy